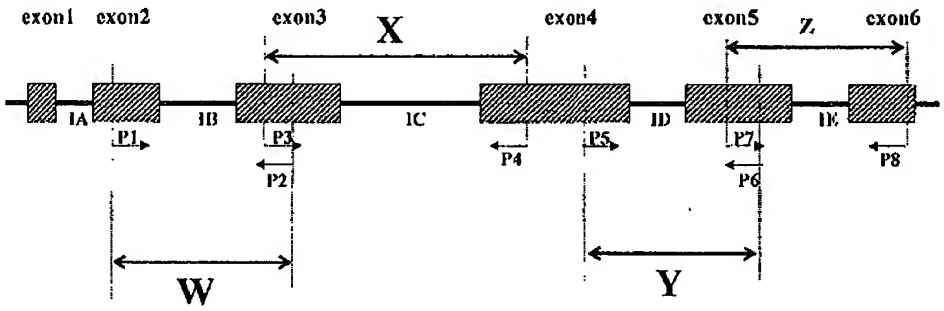
exon1
exon2
exon3
X
exon4
exon5
Z
exon6
1A
1B
1C
1D
1E
P1
P2
P3
P4
P5
P6
P7
P8
W
Y

FIG. 1

P1 (1132-1151) 5′-TCCGGCATGTGCAAGGCCGG-3′
P2 (1474-1454) 5′-CTCCATGTCGTCCCAGTTGG-3′

P3 (1453-1484) 5′ ACCAACTGGGACGACATGGAGAAGATCTGGC 3′
P4 (2063-2034) 5′ TACATGGCNGGGGTGTTAAAGGTCTCAAAC 3′

P5 (2434-2463) 5′ TGCCCTGAGGCCCTCTTCCAGCCTTCCTTC 3′
P6 (2681-2643) 5′ GGGTACATGGTGGTGCCGCCAGACAGCACNGTGTTGGC 3′

P7 (2643-2681) 5′ GCCAACACNGTGCTGTCTGGCGGCACCACCATGTACCC 3′
P8 (2952-2932) 5′ TCGTACTCCTGCTTGCTGATCCACATCTG 3′

FIG. 2

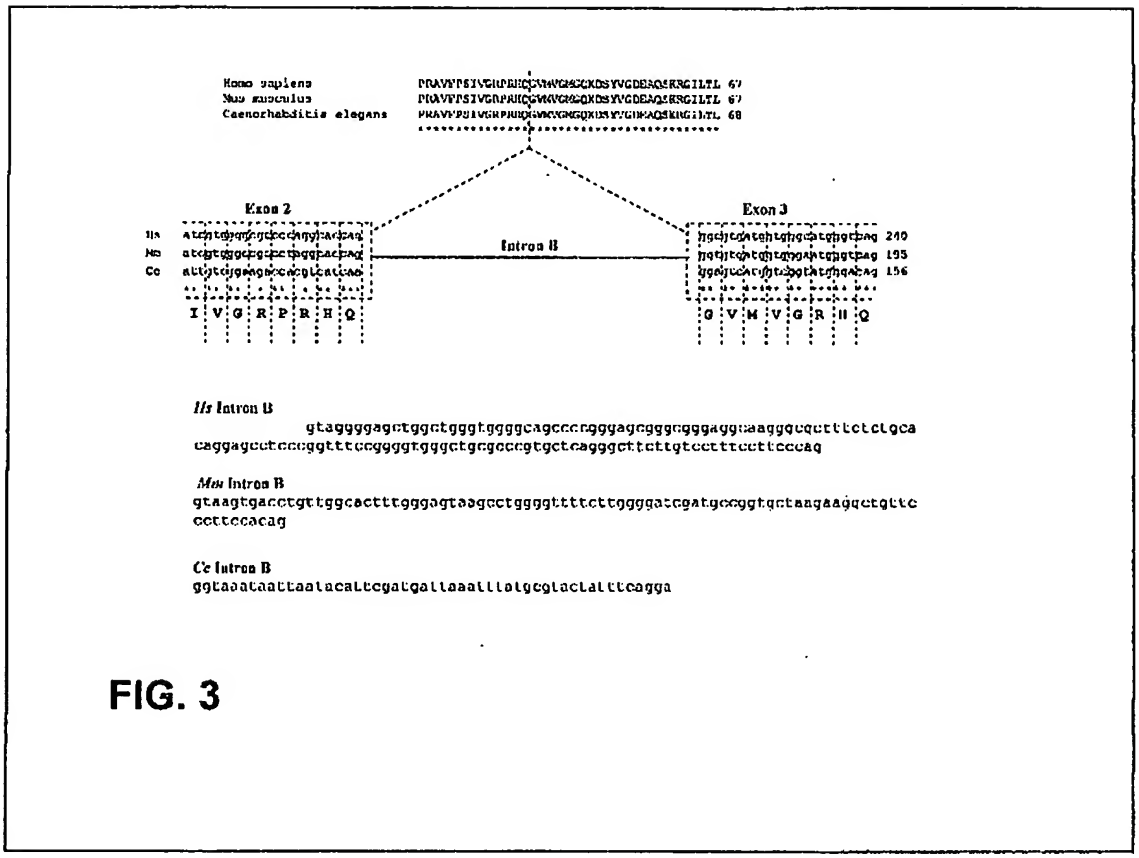
Exon 2
Intron B
Exon 3
I V G R P R H Q
G V M V G R H Q
Hs Intron B
gtaggggagctggctgggtggggcagcccagggagcgggcgggagggaaggccgctttctctgca
caggagcctcccggtttccggggtgggctgcgcccgtgctcagggcttcttgtcctttccttcccag
Mm Intron B
gtaagtgacctgttggcactttgggagtaagcctgggggttttcttgggggatcgatgccgggtgctaagaaggctgttc
ccttccacag
Ce Intron B
ggtaaataattaatacattcgatgattaaatttatgcgtactatttcagga

FIG. 3

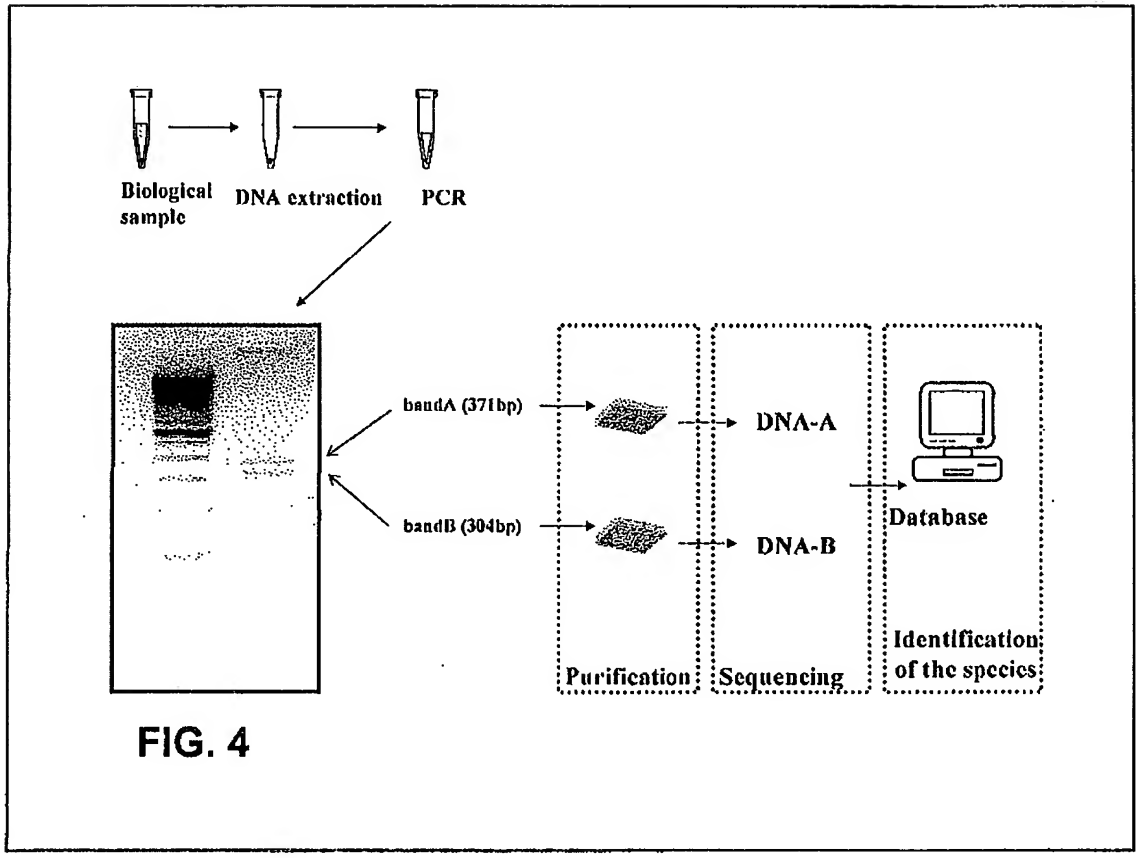
Biological sample
DNA extraction
PCR
bandA (371bp)
bandB (304bp)
DNA-A
DNA-B
Database
Purification
Sequencing
Identification of the species

FIG. 4

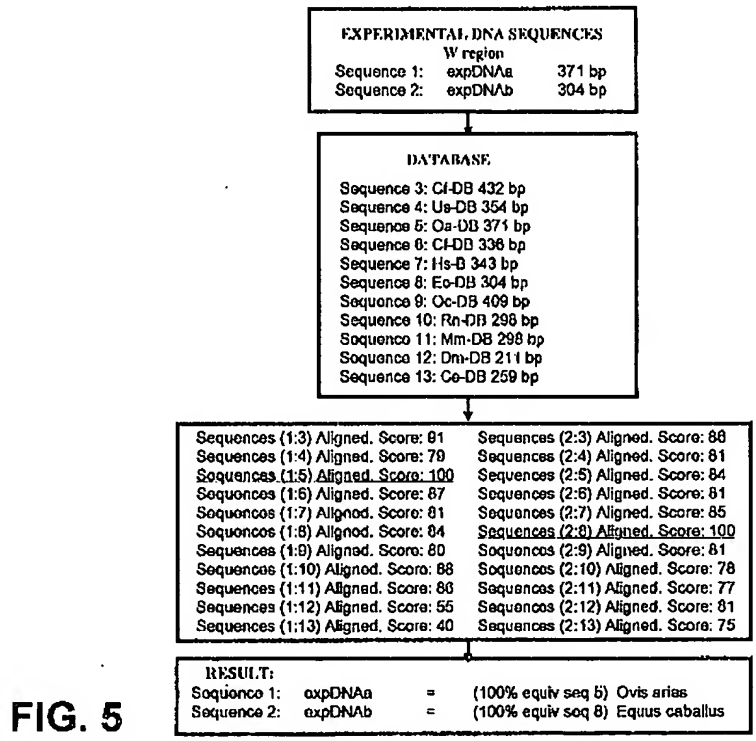
EXPERIMENTAL DNA SEQUENCES
W region
Sequence 1: expDNAa 371 bp
Sequence 2: expDNAb 304 bp
DATABASE
Sequence 3: Cf-DB 432 bp
Sequence 4: Us-DB 354 bp
Sequence 5: Oa-DB 371 bp
Sequence 6: Cf-DB 336 bp
Sequence 7: Hs-B 343 bp
Sequence 8: Ec-DB 304 bp
Sequence 9: Oc-DB 409 bp
Sequence 10: Rn-DB 298 bp
Sequence 11: Mm-DB 298 bp
Sequence 12: Dm-DB 211 bp
Sequence 13: Ce-DB 259 bp
Sequences (1:3) Aligned. Score: 81
Sequences (1:4) Aligned. Score: 79
Sequences (1:5) Aligned. Score: 100
Sequences (1:6) Aligned. Score: 87
Sequences (1:7) Aligned. Score: 81
Sequences (1:8) Aligned. Score: 84
Sequences (1:9) Aligned. Score: 80
Sequences (1:10) Aligned. Score: 88
Sequences (1:11) Aligned. Score: 86
Sequences (1:12) Aligned. Score: 55
Sequences (1:13) Aligned. Score: 40
Sequences (2:3) Aligned. Score: 88
Sequences (2:4) Aligned. Score: 81
Sequences (2:5) Aligned. Score: 84
Sequences (2:6) Aligned. Score: 81
Sequences (2:7) Aligned. Score: 85
Sequences (2:8) Aligned. Score: 100
Sequences (2:9) Aligned. Score: 81
Sequences (2:10) Aligned. Score: 78
Sequences (2:11) Aligned. Score: 77
Sequences (2:12) Aligned. Score: 81
Sequences (2:13) Aligned. Score: 75
RESULT:
Sequence 1: expDNAa = (100% equiv seq 5) Ovis arias
Sequence 2: expDNAb = (100% equiv seq 8) Equus caballus

FIG. 5

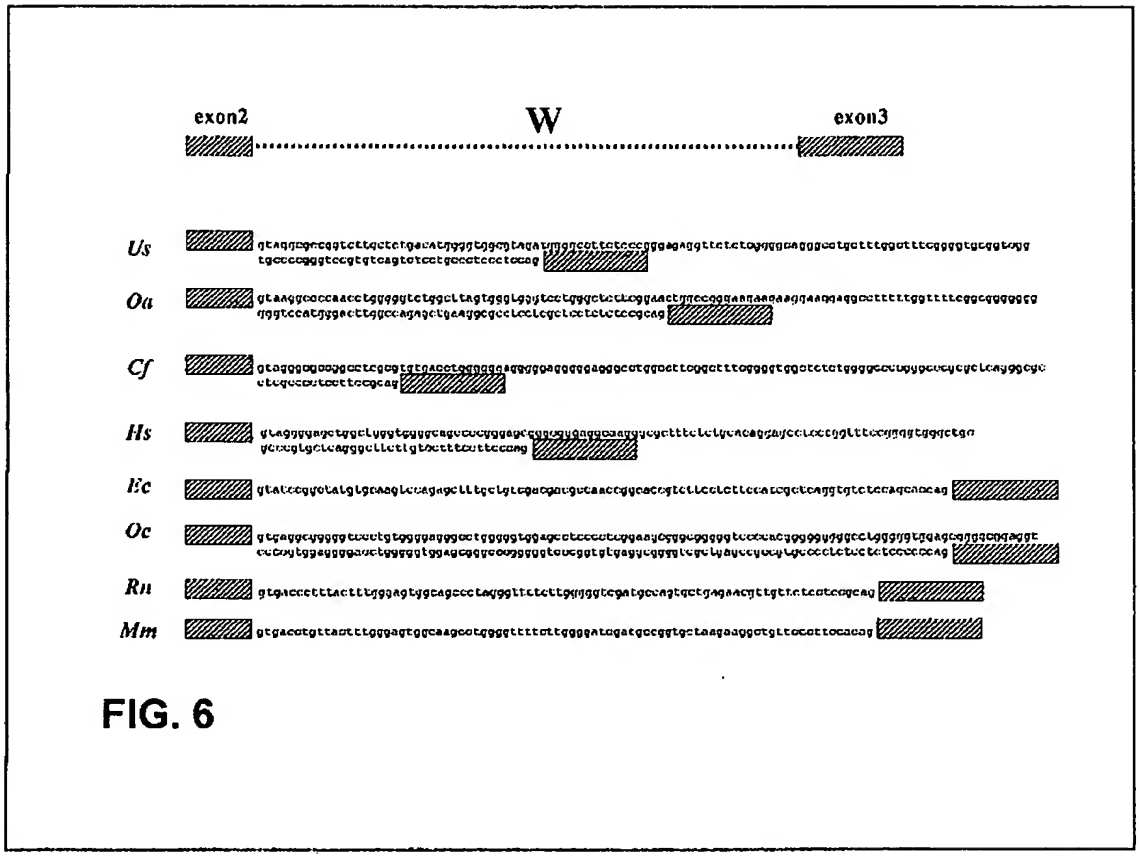

FIG. 6

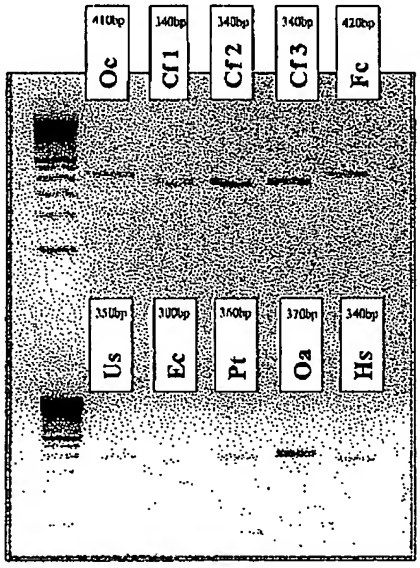
410bp
Oc
340bp
Cf1
340bp
Cf2
340bp
Cf3
420bp
Fc
350bp
Us
300bp
Ec
360bp
Pt
370bp
Oa
340bp
Hs

FIG. 7